

Clayton, Howarth & Cannon



Attorneys At Law • A Professional Corporation

Physical Address:

1225 East Fort Union Boulevard, Suite 300
Midvale, Utah 84047

Mailing Address:

P.O. Box 1909
Sandy, Utah 84091

Telephone (801) 255-5335 Facsimile (801) 255-5338

FACSIMILE MEMORANDUM

TO: Commissioner for Patents
Attn: Anita D. Johnson

FACSIMILE NUMBER: (703) 746-6697

FROM: Alan J. Howarth, Ph.D.
Clayton, Howarth & Cannon

DATE: October 15, 2002

RE: INTERACTION OF THE CYCLIC-AMP-SPECIFIC
PHOSPHODIESTERASE PDE4DS WITH RACK 1
Applicants: Graeme B. Bolger et al.
Serial No.: 09/979,588
International Filing Date: May 20, 2000
Attorney Docket No.: T9046.A

NUMBER OF PAGES: 16 (INCLUDING COVER PAGE)

If you do not receive the complete document, please call (801) 255-5335 as soon as possible. Our fax number is (801) 255-5338.

THE PAGES THAT FOLLOW MAY CONTAIN SENSITIVE, PRIVILEGED OR CONFIDENTIAL INFORMATION INTENDED SOLELY FOR THE ADDRESSEE NAMED ABOVE. IF YOU RECEIVE THIS MESSAGE AND ARE NOT THE AGENT OR EMPLOYEE OF THE ADDRESSEE, AND HAVE THEREFORE BEEN SENT OR RECEIVED THIS COMMUNICATION IN ERROR, YOU ARE ASKED NOT TO DISSEMINATE OR COPY ANY OF THE ATTACHED AND TO NOTIFY THE SENDER IMMEDIATELY BY TELEPHONE. PLEASE ALSO RETURN THE ORIGINAL MESSAGE TO THE SENDER BY MAIL. THANK YOU.

Transmitted by: kd

Grant R. Clayton
 Alan J. Howarth, Ph. D.
 Karl R. Cannon
 Clifford B. Vaterlaus
 Terrence J. Edwards
 Registered Patent Attorneys

Intellectual Property Law
 Patents • Trademarks
 Copyrights • Licensing
 Litigation • Trade Secrets
 Computer Law • Biotechnology
 Unfair Competition • Enforcement

Clayton, Howarth & Cannon



Attorneys At Law • A Professional Corporation

October 15, 2002

Mailing Address
 P.O. Box 1909
 Sandy, Utah 84091

Physical Address
 1225 East Fort Union Boulevard
 Suite 300
 Midvale, Utah 84047

Phone: (801) 255-5335
 Facsimile: (801) 255-5338
 Home Page: www.chcpat.com
 General E-mail: pallaw@chcpat.com

Box PCT
 Commissioner for Patents
 Washington, D.C. 20231
 Attn: Anita D. Johnson

Re: INTERACTION OF THE CYCLIC-AMP-SPECIFIC
 PHOSPHODIESTERASE PDE4D5 WITH RACK 1
 Applicants: Graeme B. Bolger et al.
 Serial No.: 09/979,588
 International Filing Date: May 20, 2000
 Attorney Docket No.: T9046.A

Dear Sir:

Enclosed herewith are copies of the documents filed March 29, 2002, as part of the Response to Notice of Missing Requirements. These papers include the following:

1. Response to Notice of Missing Requirements;
2. Declaration and Petition;
3. Copy of the Notification of Missing Requirements under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US); and
4. Assignment and recordation form cover sheet (This assignment has been recorded at Reel 12874, Frame 750).

A copy of a return receipt postcard stamped April 17, 2002, indicating receipt of these documents by that Patent and Trademark Office is also enclosed.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being transmitted via facsimile to the Commissioner for Patents, Washington, D.C. 20231 to (703) 746-6697, on October 15, 2002.


 Alan J. Howarth
 Registration No. 36,553

Commissioner for Patents
October 15, 2002
Page 2

It appears that the PTO has inadvertently lost at least some of these documents. Issuance of an official Filing Receipt is respectfully requested.

Dated this 15th day of October, 2002.

Respectfully submitted,



Alan J. Howarth
Attorney Registration No. 36,553

Clayton, Howarth & Cannon, P.C.
P.O. Box 1909
Sandy, Utah 84091

AJH/kd
Enclosures

SAC:HC File#AT 9-\T90-\T9046\10152002PTO.ltr.wpd

Attorney Docket No. T9046.A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	GRAEME B. BOLGER ET AL.)
TITLE:	INTERACTION OF THE CYCLIC-AMP-SPECIFIC PHOSPHODIESTERASE PDE4D5 WITH RACK1)
SERIAL NO.:	09/979,588)
INT'L FILING DATE:	May 20, 2000)
PRIORITY DATE:	May 20, 1999)
ART UNIT:))

Response to Notice of
Missing Requirements

Commissioner for Patents
Box PCT
Washington, D.C. 20231

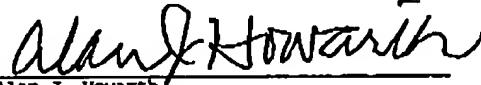
Sir:

This communication is filed in response to the Notification of Missing Requirements under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US) mailed January 29, 2002.

The Notification acknowledged receipt of the following items:
U.S. Basic National Fees, Indication of Small Entity Status,
Priority Document, Biochemical Sequence Diskette, Biochemical

CERTIFICATE OF DEPOSIT UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Commissioner for Patents, Box PCT, Washington D.C. 20231 on the 29th day of March, 2002.



Alan J. Howarth
Attorney Registration No. 36,553

Sequence Listing, Copy of IPE Report, Copy of the International Application, and Copy of the International Search Report.

The Notification required the filing within two months of the mailing thereof, i.e., by March 29, 2002, of an oath or declaration of the inventions. Accordingly, enclosed herewith is a declaration signed by all of the inventors of the application.

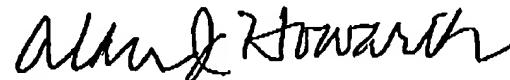
A copy of the Notification is also enclosed herewith, as required.

Also enclosed is an Assignment and cover sheet for recordation, together with authorization to charge a deposit account for the fee associated therewith.

It is respectfully submitted that the priority date printed on the Notification is incorrect. The priority date claimed is May 20, 1999. Correction is respectfully requested.

DATED this 29th day of March, 2002.

Respectfully submitted,



Alan J. Howarth, Ph.D.
Attorney Registration No. 36,553
Customer No. 020450

Clayton, Howarth & Cannon, P.C.
P.O. Box 1909
Sandy, UT 84091
Telephone: (801) 255-5335
Facsimile: (801) 255-5338

D:\CHC\U02U\T9046\T9046.A\T9046A.missing req.03292002.wpd

OCT-15-2002 TUE 03:40 PM GTON HOWARTH CANNON

FAX NO. 255-5338

P. 11

Page 1 of 2



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT
United States Patent and Trademark Office
Washington, D.C. 20231
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/979,588	Graeme B Bolger	T9046.A
020450 ALAN J HOWARTH PO BOX 1909 SANDY, UT 84091		INTERNATIONAL APPLICATION NO. PCT/US00/03961
		IA. FILING DATE 05/20/2000
		PRIORITY DATE 02/14/2000
CONFIRMATION NO. 2835 371 FORMALITIES LETTER "OC000000007346584"		

Date Mailed: 01/29/2002

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Indication of Small Entity Status
- Priority Document
- Biochemical Sequence Diskette
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of the International Application
- Copy of the International Search Report

FEB 06 2002

U.S. PATENT & TRADEMARK OFFICE

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and International filing date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

OCT-15-2002 TUE 03:41 PM COTTON HOWARTH CANNON

FAX NO. 255-5338

P. 12

Page 2 of 2

A copy of this notice MUST be returned with the response.

ANITA D JOHNSON

Telephone: (703) 305-3661

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
09/979,588	PCT/US00/03961	T9046.A

TO THE UNITED STATES PATENT AND
TRADEMARK OFFICE: PLEASE STAMP AND
RETURN. THANK YOU.

Client: University of Utah
Applicant: Graeme B. Bolger et al.
Serial No.: 09/979,588
Internatl' Filing Date: May 20, 2000
Title: INTERACTION OF THE CYCLIC-
AMP-SPECIFIC
PHOSPHODIESTERASE PDE4DS
WITH TRACER RECEIVED
Mailed: March 29 2002
Docket: T9046A APR 26 2002
Submitted: •Response to Notice of Missing
Requirements Howarth & Cannon, P.C.
•Copy of Notice of Missing Requirements
•Assignment and Cover Sheet
•Certificate of Mailing

Alan J. Howarth
CLAYTON, HOWARTH & CANNON, P.C.
P.O. Box 1909
Sandy, Utah 84091

JG02 Rec'd PCT/PTO 17 APR 2002